

Safety Data Sheet

Date prepared : Jun 15, 2015

1. Product and company identification

Product name : Dry Polishing Wheel

Product code : DP-F05

Company identification

Name of supplier : Disco Corporation

Postal/ZIP Code : 143-8580

Address : 13-11 Omori-Kita 2-chome, Ota-ku, Tokyo

Department responsible : Environment Department

Telephone number : +81-3-4590-1083

Fax number : +81-3-4590-1061

2. Hazards identification

GHS classification : Not available GHS classification

Physical hazards

Explosives : No hazard category

Flammable aerosols : No hazard category

Flammable solids : No hazard category

Self-reactive substances and mixtures : No hazard category

Pyrophoric solids : No hazard category

Self-heating substances and mixtures : No hazard category

Substances and mixtures which, in contact with water, emit flammable gases : No hazard category

Oxidizing solids : No hazard category

Organic peroxides : No hazard category

Corrosive to metals : No hazard category

Health hazards

Skin corrosion/irritation : No hazard category

Carcinogenicity : No hazard category

Environment hazards

Any hazard not listed above are not subject to classification or cannot be classified.

GHS label elements

Pictograms or symbols : No pictogram

Signal words : No signal word

Hazard statement : No hazard statement

Precautionary statements : No precautionary statement

3. Composition/information on ingredients

Substance or Mixture : mixture (excluding aluminum)

| The common chemical name or the generic name : | Zirconium dioxide | Resin | Others |
|--|-------------------|-------|--------|
| CAS number : | 1314-23-4 | — | — |
| Concentration and concentration range : | 40%–60% | — | — |
| Chemical formula or structural formula : | ZrO ₂ | — | — |

4. First aid measure

General information :

- Refer to " 7. Handling and Storage Precautions "
- This product is solidified during the forming process, so there are no hazards in particular during normal use.

5. Fire fighting measures

Extinguishing media :

- no specifications in particular

6. Accidental release measures

Personal precautions :

- none

Environmental precautions :

- none

Methods for containment and cleaning up:

- not applicable (solid state precludes leakage)

7. Handling and storage

Handling

Technical measures :

- none in particular

Local and general exhaust ventilation :

- If necessary due to the above cases, a ventilation system and a dust collection should be used.

Precautions :

- This product is solidified during the forming process, so there are no hazards in particular during normal use.

Dust or particles generated during cutting and grinding may include a small portion of the product, but it is not harmful. However, such dust or particles may include the material being processed, in which case the MSDS of the material should be consulted.

Consult a doctor in the following cases, if necessary:

- * inhalation
- * skin contact
- * eye contact
- * ingestion

Storage

Technical measures :

- none in particular

Appropriate storage conditions :

- In order to prevent oxidation and deterioration, avoid high temperature and humidity by storing in a cool, dark space.

Incompatible materials :

- oxidized materials

Safe packaging materials :

- attached package

8. Exposure controls/personal protection

Protective equipment :

- In order to prevent exposure to a large amount of dust particles during cutting, protective equipment should be worn.

Protection

Respiratory protection :

- Wear protective mask (for fine dust particles)

Hand protection :

- Wear protective gloves

Eye protection :

- Safety goggles

Skin and body protection :

- Protective clothing.

Others :

- protective wear (such as ear-plugs), if necessary

9. Physical and chemical properties

Form : round

Color : Segment:brown, Aluminum base: silver

Odor : none

pH : No data available

Specific gravity or relative density: no data

Water solubility: insoluble with water and oil

Other data :

- solid, without volatility or sublimation

10. Stability and reactivity

Stability :

- stable under normal temperatures

Possible hazardous reactions :

- No data available.

Conditions to avoid :

- none

Hazardous decomposition products :

- none

11. Toxicological information

Acute toxicity :

- Acute toxicity (oral) : Classification not possible.
- Acute toxicity (dermal) : Classification not possible.
- Acute toxicity (inhalation: gases) : No classification.
- Acute toxicity (inhalation: vapors) : Classification not possible.
- Acute toxicity (inhalation: dusts/mists) : Classification not possible.

Skin corrosion/irritation :

- Skin corrosion/irritation : No hazard category.

Serious eye damage/Eye irritation :

- Serious eye damage/eye irritation : Classification not possible.

Respiratory organs sensitization or skin sensitization :

- Respiratory sensitization : Classification not possible.
- Skin sensitization : Classification not possible.

Generative cell mutagenicity :

- Germ cell mutagenicity : Classification not possible.

Carcinogenicity :

- Carcinogenicity : No hazard category.

Reproductive toxicity :

- Reproductive toxicity : Classification not possible.

Specified target organ / general toxicity-single exposure :

- Specific target organ systemic toxicity (single exposure) : Classification not possible.

Specified target organ / general toxicity-repetitive exposure :

- Specific target organ systemic toxicity (repeated exposure) : Classification not possible.

Aspiration respiratory organs hazard :

- Aspiration hazard : Classification not possible.

12. Ecological information

Ecotoxicity :

- Aquatic environmental toxicity (acute) : Classification not possible.
- Aquatic environmental toxicity (chronic) : Classification not possible.

Persistence/degradability :

- No data available.

Bioaccumulation :

- No data available.

Mobility in soil :

- No data available.

Other hazardous effect :

- a small quantity of residue waste (dust particles) is generated during cutting.

13. Disposal considerations

Contaminated packaging :

- none

Other :

- Commission a metal disposal business trader for the aluminum waste.

14. Transport information

International restriction

UN classification : Not Available

15. Regulatory information

Local regulation :

- Industrial Safety and Health Law

16. Other information

Other :

- Safety data sheet are provided as reference information on the safe handling of hazardous or harmful materials to companies using such materials. When referring to this data sheet, companies should remember that they must take responsibility for implementing the proper measure for their own particular situations. This data sheet is not guarantee of safety.